

PATENT: 06147 USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLI-  
CATION OF : Caroline Sassano Slone, et al.  
SERIAL NO. : 09/909,555 : GRP. ART UNIT: 1712  
FILED : 20 July 2001 : EXAMINER: D. S. Metzmai r  
FOR : Alkyl Glycidyl Ether-Capped Polyamine Foam Control Agents

Assistant Commissioner for Patents  
Washington, D.C. 20231

<b>CERTIFICATE OF MAILING</b>	
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	Signature of person mailing paper

Sir:

**RULE 132 DECLARATION**

I, Kevin R. Lassila, residing at 7320 Periwinkle Drive, Macungie, PA 18062 hereby declare as follows:

1. I am employed by Air Products and Chemicals, Inc., the assignee of the invention described in the above-identified Application. I have been employed by Air Products and Chemicals, Inc. for 15 years working the past 6 years in the Specialty Additives Group of the Performance Chemicals Division.
2. I am a co-inventor of the subject matter claimed in the above-identified application.
3. I have read and understand the Kao patent application (JP 2001-107083), which was relied upon by the Examiner in rejecting the claims pending in the above-identified

Application. Kao's synthesis example 2 shows the preparation of the monohexadecyl glycidyl ether derivative of ethylenediamine.

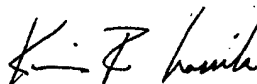
4. Under my supervision and direction, foam control data were generated for the monobutyl (C4) and monoethylhexyl (C8) glycidyl ether derivatives of ethylenediamine (EDA) and diethylenetriamine (DETA) according to the method of Examples 27-53 of the above-identified application. Table 1 shows the obtained data.

Table 1

Defoamer	Initial Foam Height (cm)	Foam height after 1 minute (cm)	Foam height after 10 minutes (cm)	Time to 0 foam
DETA/1 BGE	1.0	0.2	0	5.9 min
EDA/1 BGE	1.5	1.0	0.3	>10 min
DETA/1 EHGE	0.4	0	0	29 sec
EDA/1 EHGE	1.5	0.2	0.0	3.4 min

5. The data shows that both the monobutyl and the monoethylhexyl glycidyl ether derivatives of DETA were unexpectedly superior foam control agents compared to the same derivatives of EDA in a 0.1 wt% aqueous DOSS solution.

I hereby declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that the statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.



Kevin R. Lassila

11/13/02

Date

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>	<b>Attorney Docket Number</b>	113PUS06147
	<b>First Named Inventor</b>	Caroline S. Slone
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	/
	<b>Filing Date</b>	
	<b>Group Art Unit</b>	
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing	OR	<input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)
	<b>Examiner Name</b>	

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ALKYL GLYCIDYL ETHER-CAPPED POLYAMINE FOAM CONTROL AGENTS

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International

Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor

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Sione

(first and middle [if any])

or Surname

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☐ A petition has been filed for this unsigned inventor

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☐ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.